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(54) Title: NON-WOVEN PROTECTIVE GARMENTS WITH THERMO-REGULATING PROPERTIES

(57) Abstract: Non-woven protective garments consisting of multi-layer composite barrier fabrics where at least one of the layers is made of an elastomeric material comprising finely divided phase change materials such as crystalline alkyl hydrocarbons or salt hydrates facilitate thermo-regulation due to latent heat absorption and latent heat release in the phase transition range of the phase change material, which improves the thermal performance and enhances the comfort of non-woven protective garments significantly.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/28203

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : B32B 5/18, 5/24
US CL : 442/327,370,374,394

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 442/327,370,374,394

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Please See Continuation Sheet

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6,095,720 A (STARK) 01 August 2000 (01.08.2000), see entire document.	1-21

Further documents are listed in the continuation of Box C.

See patent family annex.

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Date of the actual completion of the international search

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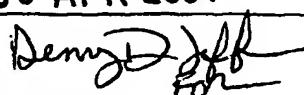
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INTERNATIONAL SEARCH REPORT

PCT/US03/2820

Continuation of B. FIELDS SEARCHED Item 3:
WEST
search terms: nonwoven, phase change, reversible thermal, rubber, film, sheet